

## ABSTRACT OF THE DISCLOSURE

The present invention provides to a system and method for the take-off of the materials using a two-dimensional CAD interface, and more particularly, to a system and method for estimating a bill of materials using a two-dimensional CAD interface which automatically take-off a full bill of material and cost information for items stated in a two or three-dimensional design drawing without a manual work or transformation, and which provides the taken-off information in on-line by receiving an order for an information provision service for a two-dimensional CAD drawing through a communication network, such as the internet, and automatically executing the information about bill-of-material estimating, details, and cost management

The system for the take-off of the materials using a two-dimensional CAD interface, in a computer terminal having a CAD system for creating a variety of design items for architecture, civil engineering, machinery, and facilities in a CAD drawing, comprises a project information containing unit for containing project information including position data, design specifications, and shape data for a variety of design items; a material/cost containing unit for containing material information and cost information for building elements included in a CAD drawing in which a variety of design items for a project are stated; and a bill-of-material take-off processing unit for take-off a full bill of materials and cost for an object by analyzing position information, shape information, and material information for building elements included in the CAD drawing created by the CAD system with reference to the project information of the project information containing unit and the material information and cost information of the material/cost containing unit.

"Express Mail" mailing label number EL650064243US  
Date of Deposit April 24, 2001  
I hereby certify that this paper or fee is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to:  
Assistant Commissioner for Patents, Washington, D.C. 20231.  
Yolanda Gray  
(printed name)  
Yolanda Gray  
signature